

Amendment and Response

Applicant: Min Wee Low et al.

Serial No.: 10/598,390

Filed: July 9, 2008

Docket No.: I431.173.101/FIN588PCT/US

Title: NON-LEADED SEMICONDUCTOR AND A METHOD TO ASSEMBLE THE SAME

REMARKS

The following remarks are made in response to the Non-Final Office Action mailed July 9, 2009. Claims 1-13 have previously been cancelled. With this Response, claims 14-19, 22-25, 31 and 32 have been amended, and claims 28-30, 33 and 34 have been canceled. Claims 14-27, 31 and 32 remain pending in the application and are presented for reconsideration and allowance.

Claim Rejections under 35 U.S.C. § 112

Claims 22-24 was rejected under 35 U.S.C. 112, second paragraph. Claim 24 has been amended such that it depends on claim 16.

Claims 22 and 23 have been amended to state that each semiconductor die has a passive surface.

As such, the rejections under section 112 are believed to be overcome.

Claim Rejections under 35 U.S.C. § 102

Claims 14-19, 21-23, 28, 30, 32 and 34 were rejected under 35 U.S.C. 102(e) as being anticipated by Fukutomi et al. (US 20040110319, "Fukutomi"). Claims 28, 30 and 34 have been canceled, rendering their rejections moot. Applicants respectfully traverse the remaining rejections in view of the amendments presented herein and the following remarks.

It is well accepted that, to anticipate a claim, the cited reference must disclose each claim element. MPEP 2131. Fukutomi, as cited in the Office Action, fails to disclose each element of independent claims 14 and 17 as amended herein. For example, the Office Action fails to identify a disclosure in Fukutomi of protruding portions extending from die pads and/or contact leads.

Therefore, claims 14-19, 21-23 and 32 are believed to be in condition for allowance.

Claim Rejections under 35 U.S.C. § 103

Claims 25-27, and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fukutomi et al. (US 20040110319). Claims 20, 31 and 33 were rejected under 35 U.S.C. 103(a)

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as being unpatentable over Fukutomi in view of LeVasseur et al. (US 4,963,414), and in further view of Goldner et al. (US 20030034697). Claims 29 and 33 have been canceled herein, rendering their rejections moot. Claim 20 depends on claim 17, and is therefore allowable for at least the same reasons. Applicants respectfully traverse the remaining rejections in view of the amendments presented herein and the following remarks.

To establish prima facie obviousness, all claim limitations must be considered. MPEP 2143.03 (citing *In re Wilson*, 424 F.2d 1382, 1385, (CCPA 1970)). Fukutomi, as cited in the Office Action, fails to disclose or suggest each element of independent claim 25 as amended herein. For example, the Office Action fails to identify a disclosure in Fukutomi of protruding portions extending from die pads and/or contact leads. Claims 26, 27 and 31 depend on claim 25 and are therefore allowable for at least the same reasons.

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CONCLUSION

In view of the above, Applicant respectfully submits that all of the pending claims are in form for allowance. Therefore, reconsideration and withdrawal of the rejections and allowance of the claims are respectfully requested.

No fees are required under 37 C.F.R. 1.16(h)(i). However, if such fees are required, the Patent Office is hereby authorized to charge Deposit Account No. 50-0471.

The Examiner is invited to contact the Applicant's representative at the below-listed telephone numbers to facilitate prosecution of this application.

Any inquiry regarding this Amendment and Response should be directed to Mark L. Gleason at Telephone No. (612) 573-2000, Facsimile No. (612) 573-2005. In addition, all correspondence should continue to be directed to the following address:

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